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What is claimed is:

- 1. An imaging apparatus, comprising:
- i) a planar electrostatic recording material, which records image information as an electrostatic latent image, and which generates electric currents in accordance with the electrostatic latent image when a read-out surface of the planar electrostatic recording material is scanned with a reading electromagnetic wave,
- ii) a flat plate-shaped substrate, which supports the electrostatic recording material from a side of the read-out surface, and which has permeability with respect to the reading electromagnetic wave, and
- iii) a flat plate-shaped base plate for supporting the flat plate-shaped substrate from a side opposite to a surface of the substrate, on which surface the electrostatic recording material is formed, the flat plate-shaped base plate having a rigidity higher than the rigidity of the substrate and having permeability with respect to the reading electromagnetic wave.
- 2. An apparatus as defined in Claim 1 wherein the base plate has a coefficient of thermal expansion approximately identical with the coefficient of thermal expansion of the substrate.
- 3. An apparatus as defined in Claim 1 wherein the base plate has a refractive index approximately identical with the refractive index of the substrate.
  - 4. An apparatus as defined in Claim 2 wherein the base

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plate has a refractive index approximately identical with the refractive index of the substrate.

- 5. An apparatus as defined in Claim 1, 2, 3, or 4 wherein a surface of the base plate and a surface of the substrate, which surfaces stand facing each other, are adhered by an adhesive agent to each other.
- 6. An apparatus as defined in Claim 1, 2, 3, or 4 wherein an anti-reflection coating layer for preventing reflection of the reading electromagnetic wave is formed on a light entry face of the base plate, upon which light entry face the reading electromagnetic wave is incident.